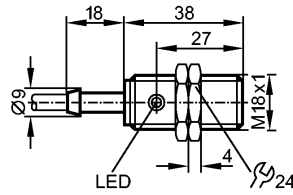


IG5221

IGB3005-BPKG

Inductive sensors



Product characteristics

Inductive sensor

Metal thread M18 x 1

Cable

Sensing range 5 mm; [f] flush mountable

Electrical data

Electrical design	DC PNP
Operating voltage [V]	18...36 DC
Current consumption [mA]	15 (24 V)
Protection class	II
Reverse polarity protection	yes

Outputs

Output function	normally open
Voltage drop [V]	< 2.5
Current rating [mA]	125; 150 (...50 °C)
Short-circuit protection	yes (non-latching)
Overload protection	yes
Switching frequency [Hz]	500

Monitoring range

Sensing range [mm]	5
Real sensing range (Sr) [mm]	5 ± 10 %
Operating distance [mm]	0...4.05

Accuracy / deviations

Correction factors	mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.4 / aluminium approx. 0.3 / copper approx. 0.2	
Hysteresis [% of Sr]	1...15	
Switch-point drift [% of Sr]	-10...10	

Environment

Ambient temperature [°C]	-25...80
Protection	IP 67

Tests / approvals

EMC	EN 60947-5-2 EN 55011:	class B
MTTF [Years]	1899	

Mechanical data

Mounting	flush mountable
Housing materials	brass white bronze coated; active face: CO-PC
Weight [kg]	0.139

IG5221

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Inductive sensors

Displays / operating elements

Output status indication	LED	yellow
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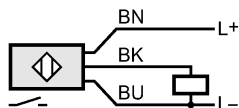
Electrical connection

Connection	PVC cable / 2 m; 3 x 0.5 mm ²
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Wiring

Core colors

- BN brown
- BU blue
- BK black



Accessories

Accessories (included)	2 lock nuts
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Remarks

Pack quantity	[piece]	1
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